CONSTRUCTION DETAILS

A. Install base mounted NEMA 6 cabinet/controller and all necessary equipment.
B. Install 27 ft. steel twin mast arm pole with a 70 ft. and a 40 ft. (cut from a 50 ft.) mast arm, vehicle signal heads, signs, video detection camera, 15 ft. luminaire arm, 250 watt HPS luminaire, 1 in. riser for phone drop, and all necessary equipment for an overhead electrical MD-SHA Type B-4 service.
C. (Note: one 3 in. and one 2 in. PVC conduit bend)
Install 27 ft. steel twin mast arm pole with a 60 ft. and a 50 ft. mast arm, vehicle signal heads, signs, video detection camera, 15 ft. luminaire arm, and 250 watt HPS luminaire (Note: one 3 in. PVC conduit bend).
D. Install handhole.
E. Install 1 in. liquid tight flexible conduit for loop detector lead-in.
F. Install 24 in. pavement marking - white for stop line.
G. Install 3 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
H. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
J. Install 4 in. polyvinyl chloride [Schedule 80] electrical conduit - bored.
K. Install mirco-loop probe (set of 3).
L. Install ground mounted sign as shown.
M. Remove existing sign after placing signal in flashing operation.
N. Existing utility pole and all attached equipment to be removed by BGE.
O. Proposed overhead electrical service by BGE.
P. Proposed overhead phone service by Verizon.
Q. Install 2 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.

MD 924 is considered to run in a North/South direction.

PROPOSED SIGNS

12a Barrington Place →
12b ← Barrington Place
D-3(1) 16" x Var. Dual Faced

14b Patterson Mill Rd →
14a ← Patterson Mill Rd
D-3(1) 16" x Var. Dual Faced

13,15 LEFT TURN YIELD ON GREEN
R 10-12 36" x 42"

17 NORTH MARYLAND 924 ←
Shield Assem. 48" x 75"

19 SOUTH MARYLAND 924 ←
Shield Assem. 48" x 75"

20-22 NEW
Temporary Sign W 3-3 36" x 36"

16 SOUTH MARYLAND 924 →
Shield Assem. 30" x 51"

18 NORTH MARYLAND 924 →
Shield Assem. 30" x 51"

PROPOSED SIGNALS

1,4 — 12"/8"
2,5 — 12"
3,6-8, 10,11 — 12"
9 — 8"

PROPOSED NEMA PHASING

Ø1 Ø2 Ø4 / Ø5 Ø6 Ø8

FLASHING OPERATION

NEMA notes:
Phases associated by a dashed line will operate concurrently.
Phases associated by a solid line will not operate concurrently.

A-D
Video Detector Camera

TO BELAIR

Patterson Mill Road
MD 924 (Emmorton Road)
Barrington Place
Right-of-Way Line
S/W
Shld.
Detector A
Detector B
Detector C
Detector D
Install Handhole in Break Area
BGE 486332
95'
250'
322'
475'
312'
27'
30'

Overhead Utilities

CATV	- 16 ft.
Secondary	- 22 ft.
Secondary	- 24 ft.
Secondary	- 34 ft.
High Voltage	- 52 ft.

NOTES

1. Geometrics shall be confirmed prior to the installation of signal equipment. All traffic signal foundations shall be installed at final sidewalk or curb grade for closed sections, highest roadway profile grade for open sections to meet clearances as specified in MD 816.03, MD 818.01, MD 818.02, MD 818.04. The contractor shall verify ultimate grades prior to the installation of all signal equipment.
2. Loop detectors and conduits shall be installed prior to the installation of pavement markings.
3. Pavement markings detailed are proposed and are to be installed by the Contractor in accordance with MD-SHA standards. All other pavement markings are to be considered as existing.
4. All underground and overhead utilities shown on these plans are schematic and are not to be considered complete. The Contractor shall be responsible for notifying all utility companies prior to construction so that all utilities may be located in the field. If the Contractor perceives that a conflict between the utilities and the traffic signal equipment will occur, the Contractor shall notify the appropriate Project Engineer immediately.

GEOMETRIC LEGEND

EXISTING GEOMETRICS
PROPOSED GEOMETRICS

UTILITY LEGEND

GAS MAIN
WATER MAIN
SEWER MAIN
ELECTRIC CABLES
STORM DRAIN
AERIAL CABLES
TELEPHONE CABLES

The Traffic Group
The Traffic Group, Inc.
410-931-6600
Fax 410-931-6601

REVISIONS

APPROVALS

TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION — 9.23.04
for Dimitrios A. Zafiris
ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION — 9.23.04
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION — 9.23.04
DIRECTOR, TRAFFIC & SAFETY

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
(Traffic Signal Plan)
MD 924 (Emmorton Rd.) at Patterson Mill Rd/ Barrington Pl.

DRAWN BY:	Frank Hoeckel	F.A.P. NO.	N/A	TS NO. 4346	SHEET NO. 1 OF 2
CHECKED BY:		S.H.A. NO.	BW996M82		
SCALE:	1" = 20'	COUNTY:	Harford	T.I.M.S. NO. C-264	
DATE:	September 23, 2004	LOG MILE:	120924003.22		

F:\2003\2003-0519\Geo\sigplan.dgn 09/22/2004